Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/17/2020 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125106	0	2.82	125145	2.86
Blue	F	SSC	125000	125848	0	1.96	126535	1.98
Blue	E	FITC	15892	15605	-2	3.00	341	20.83
Blue	D	PE	29999	29487	-2	2.12	641	15.31
Blue	B	PerCP-Cy5-5	43732	43649	-1	3.97	1166	21.69
Blue	A	PE-Cy7	30845	31011	0	6.44	588	44.09
Red	C	APC	46112	44917	-3	2.51	1587	12.49
Red	A	APC-Cy7	30458	29487	-4	2.35	781	12.02
Violet	B	V450	7918	7612	-4	4.31	428	12.95
Violet	A	V500	32171	30990	-4	4.11	724	10.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17143	15.11	657	36	N/A	N/A	Pass
Blue	F	SSC	57450	1.44	587	28	N/A	N/A	Pass
Blue	E	FITC	62	67.39	555	12	0.0187	172	Pass
Blue	D	PE	134	51.50	561	13	0.1484	261	Pass
Blue	B	PerCP-Cy5-5	213	51.06	670	14	0.0078	0	Pass
Blue	A	PE-Cy7	107	113.15	716	18	0.0095	24	Pass
Red	C	APC	380	24.25	588	4	0.0216	0	Pass
Red	A	APC-Cy7	172	29.25	560	4	0.0056	1127	Pass
Violet	B	V450	65	58.83	459	1	0.0538	2073	Pass
Violet	A	V500	108	32.79	475	1	0.0231	633	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.84	-32.53	1.04
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	15.57	13.60 - 20.40	N/A	N/A	29.97	30.19	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11350

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments